AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 5, line 14, with the following rewritten paragraph:

1   Network 10 may be a computer network, where each device 11 ~~10~~ is a

2   computer workstation and controller 12 is a server computer that manages

3   network resources. Or, network 10 could be a calculator network, where each

4   device 11 ~~10~~ is a hand-held calculator and controller 12 is a hardware device for

5   communications control. These are but two examples of networks with which the

6   invention may be used. The communications links in the network 10 may be

7   wired, wireless, or some combination of these two media.

Please replace the paragraph beginning at page 6, line 17, with the following rewritten paragraph:

1   The login process of FIGURE 1 may be performed any time it is desired to

2   determine whether a new device 11 connected to network 10 and is attempting

3   to login. The login process permits that device 11 to be identified and to be

4   assigned a network address. This in turn, permits the device to send and

5   receive data via the network. In a typical network 10, controller 12 will initiate the

6   login process periodically, with the frequency being related to the likelihood that

7   new devices 11 are being added. For example, in a quickly changing network,

8   controller 12 might initiate a new login process once every few seconds. Devices

9   11 that have not yet logged in are a programmed to wait for a login initialization

10   code, and to then receive requests and deliver acknowledgements as described

11   below.